

FIG. 1A

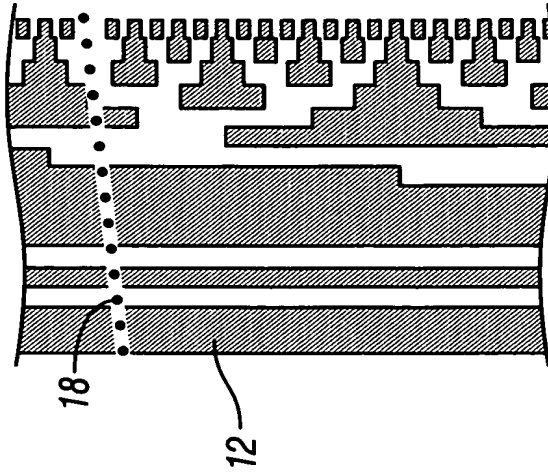


FIG. 1B

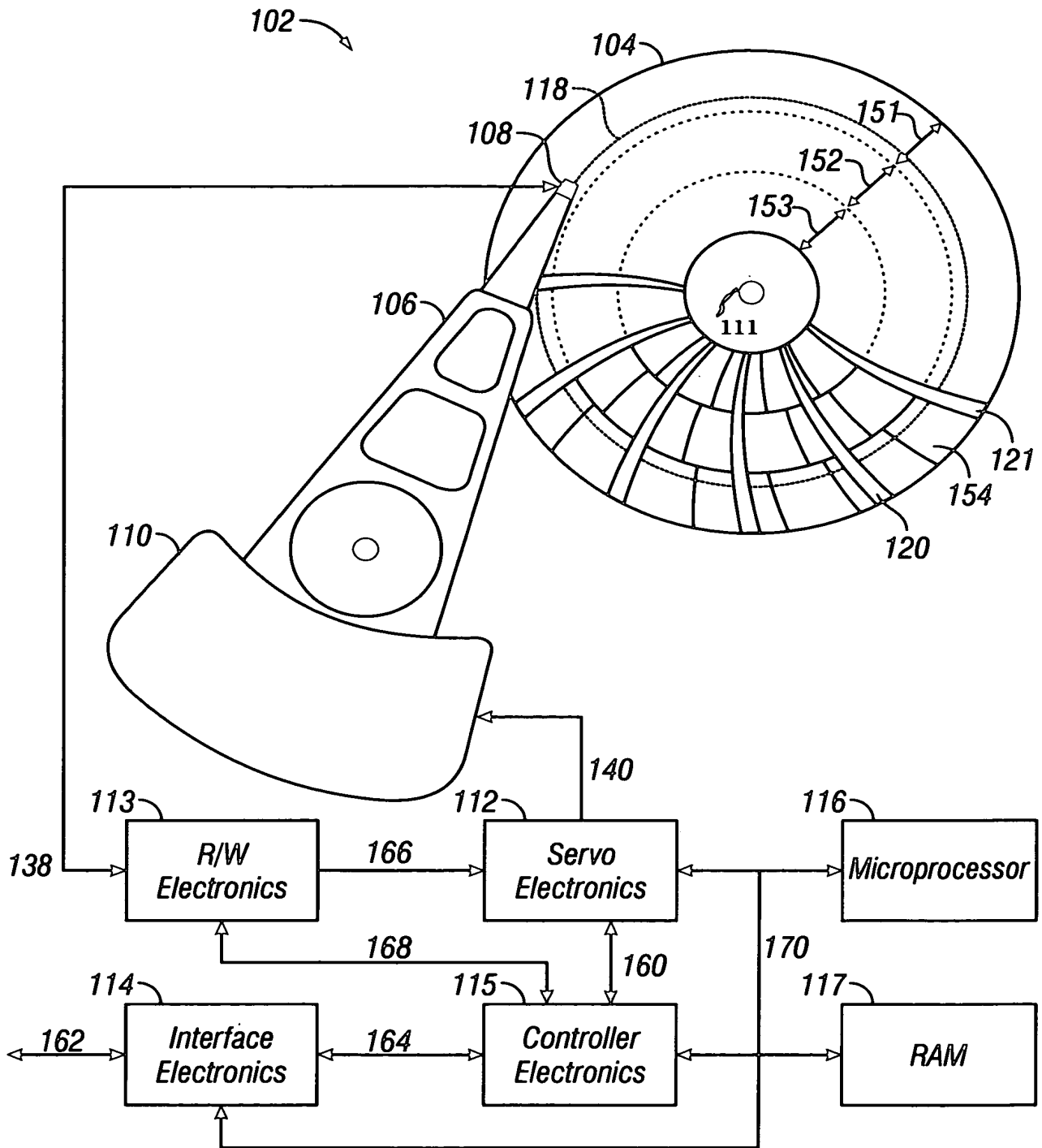
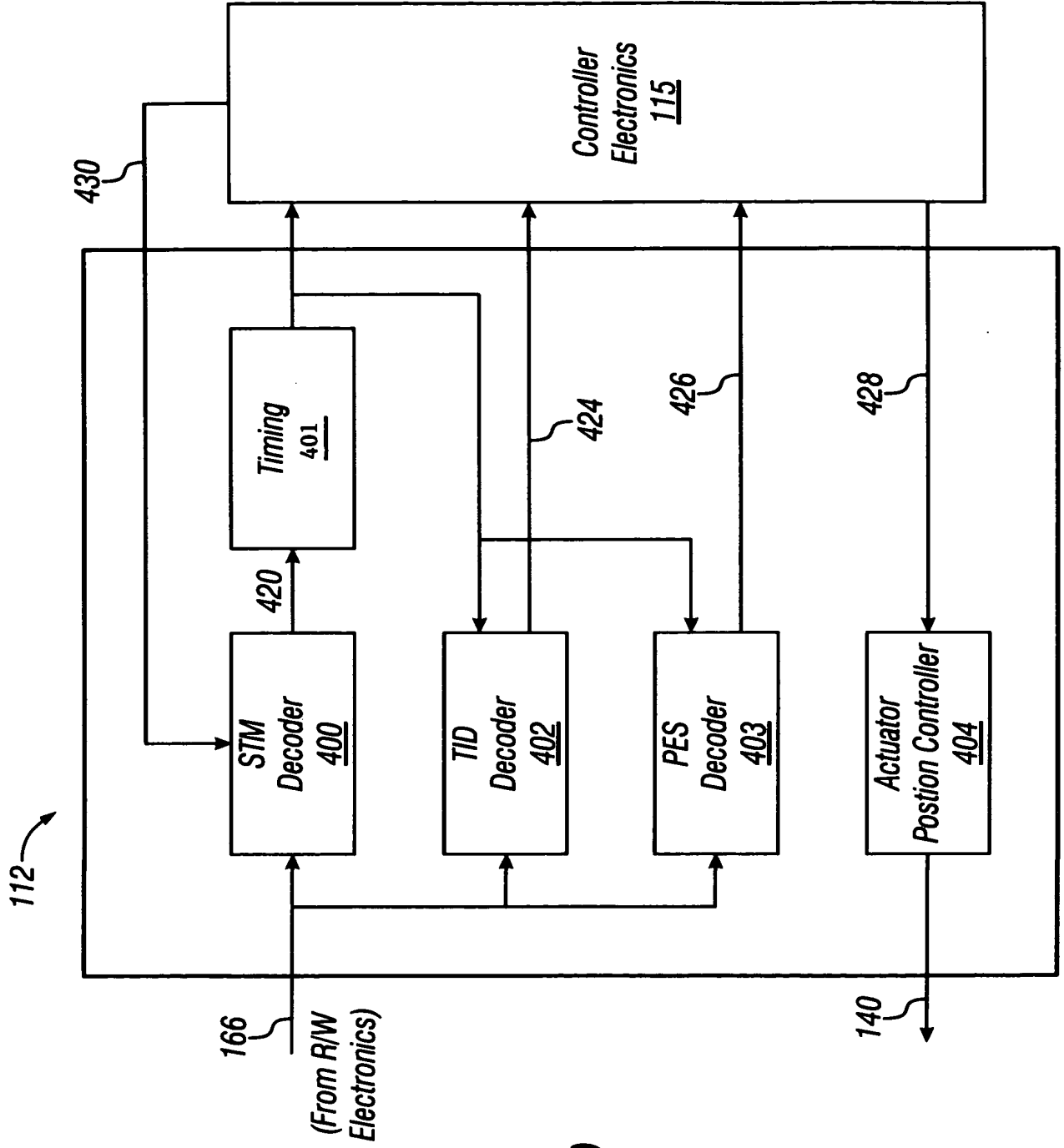
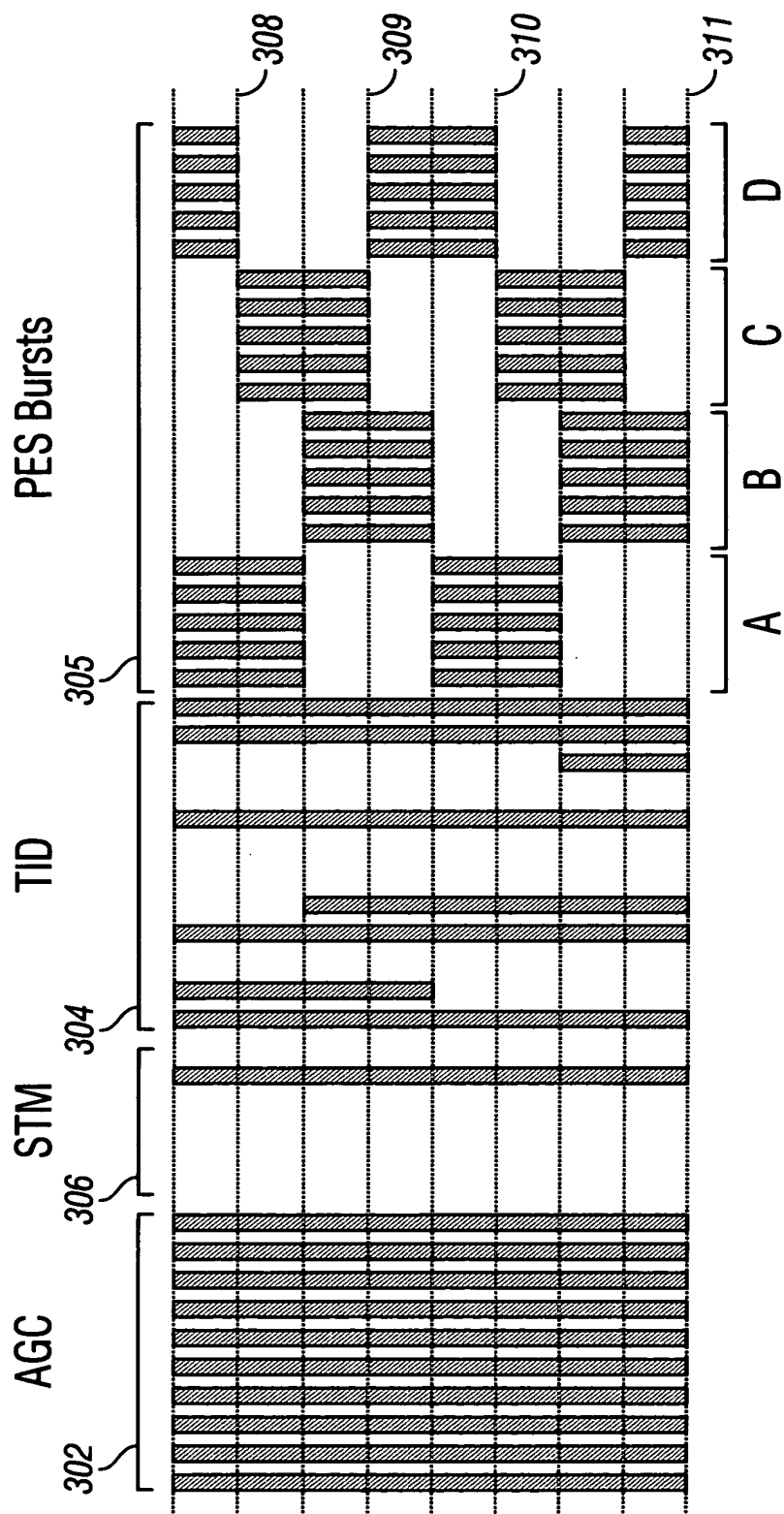


FIG. 1C  
(Prior Art)





**FIG. 3**  
**(Prior Art)**



**FIG. 4**  
(Prior Art)

**6/20**

Track Number	Binary Track ID
0	0 1
1	1 1
2	1 0
3	0 0

**FIG. 5A**

Track Number	Binary Track ID
0	0 1 1
1	1 1 1
2	1 0 1
3	1 0 0
4	1 1 0
5	0 1 0
6	0 0 0
7	0 0 1

**FIG. 5B**

Track Number	Original Track Number	Prefix Bit	Original Gray Code	Suffix Bit
7	0	0	01	0
8	1	0	11	0
9	2	0	10	0
10	2	0	10	1
11	1	0	11	1
0	0	0	01	1
1	0	1	01	1
2	1	1	11	1
3	2	1	10	1
4	2	1	10	0
5	1	1	11	0
6	0	1	01	0

**FIG. 6A**

Track Number	Binary Track ID
0	0 0 1 1
1	1 0 1 1
2	1 1 1 1
3	1 1 0 1
4	1 1 0 0
5	1 1 1 0
6	1 0 1 0
7	0 0 1 0
8	0 1 1 0
9	0 1 0 0
10	0 1 0 1
11	0 1 1 1

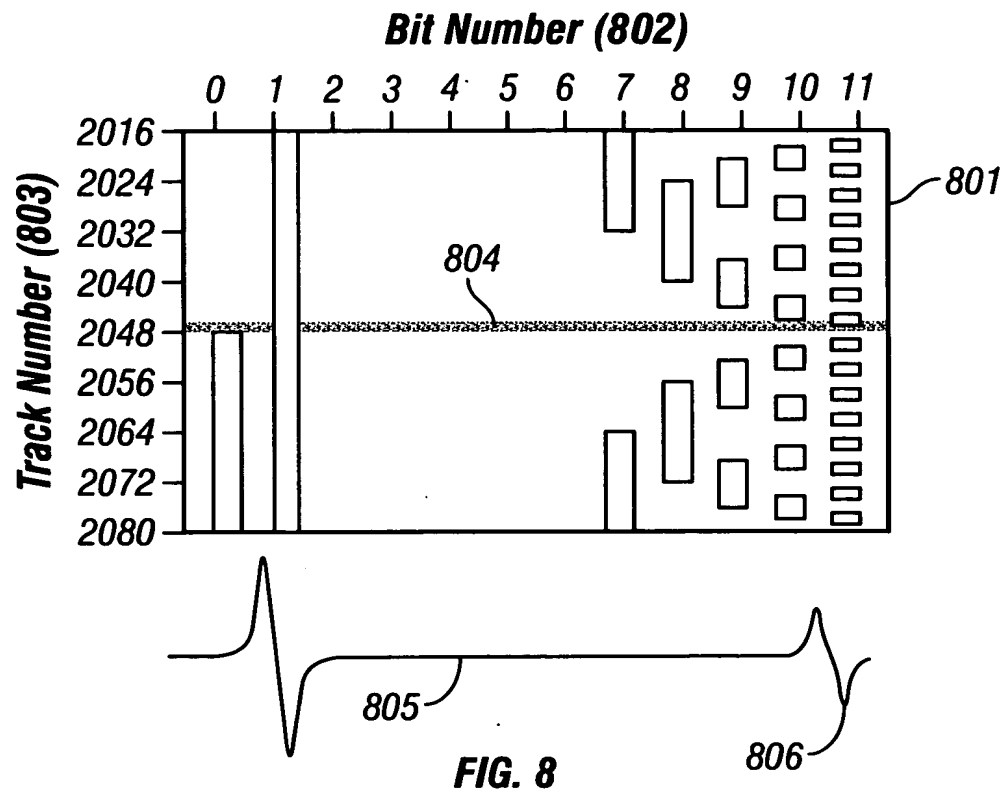
***FIG. 6B***

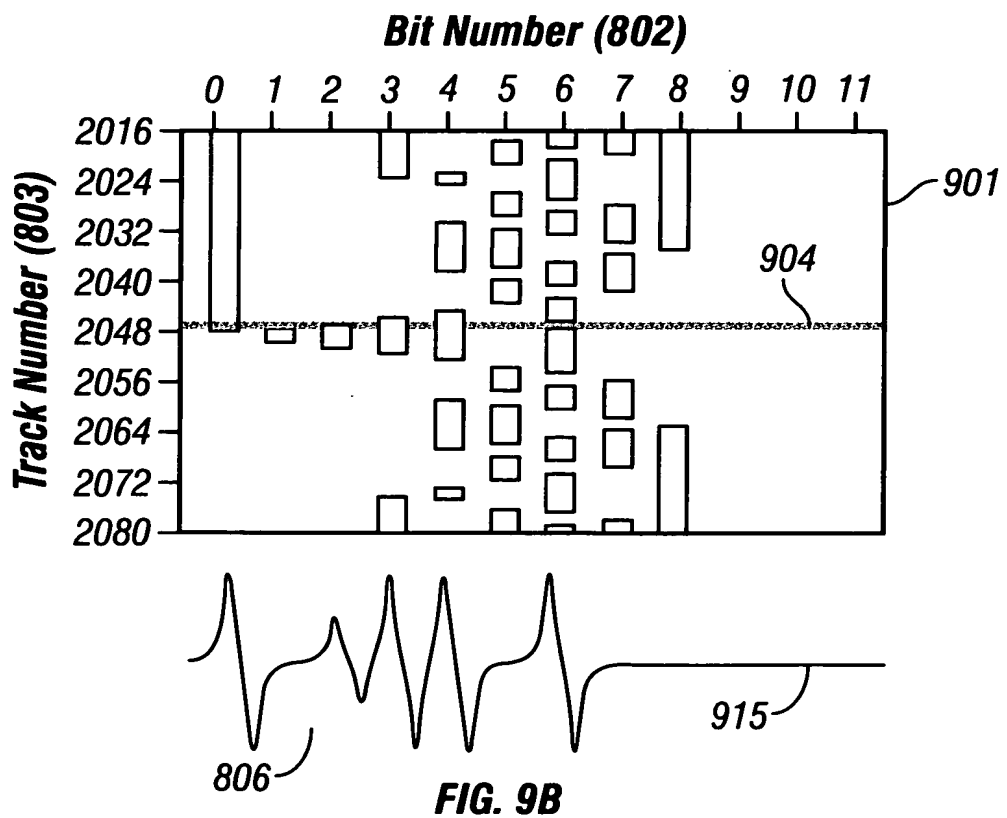
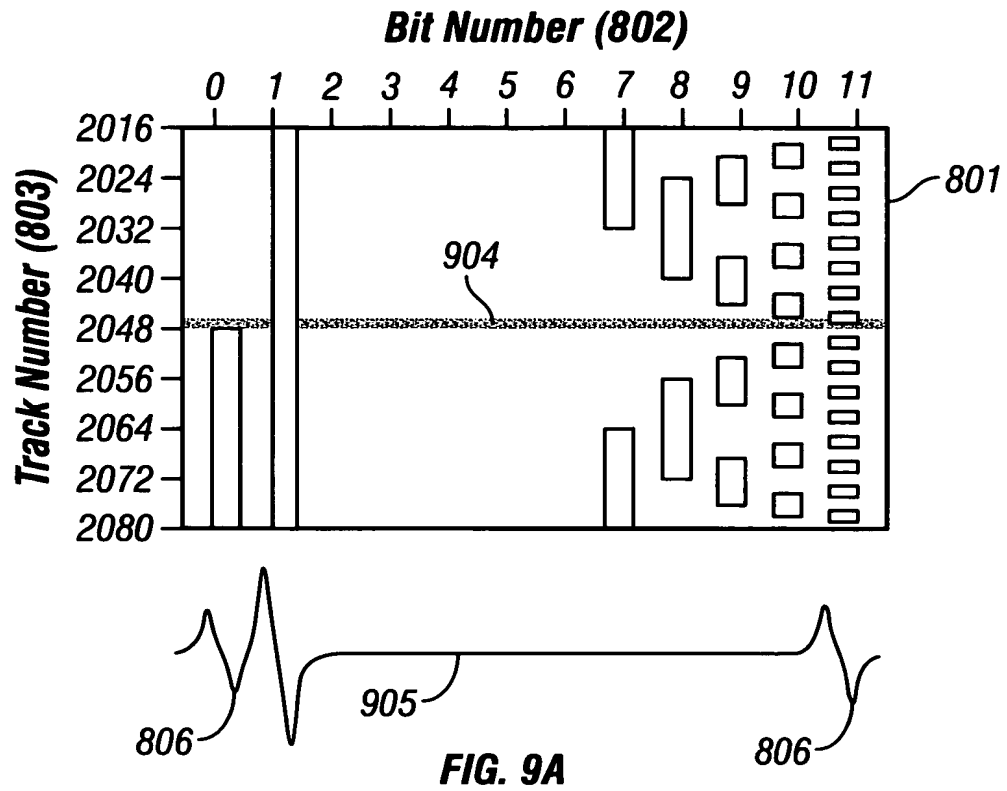


**9/20**

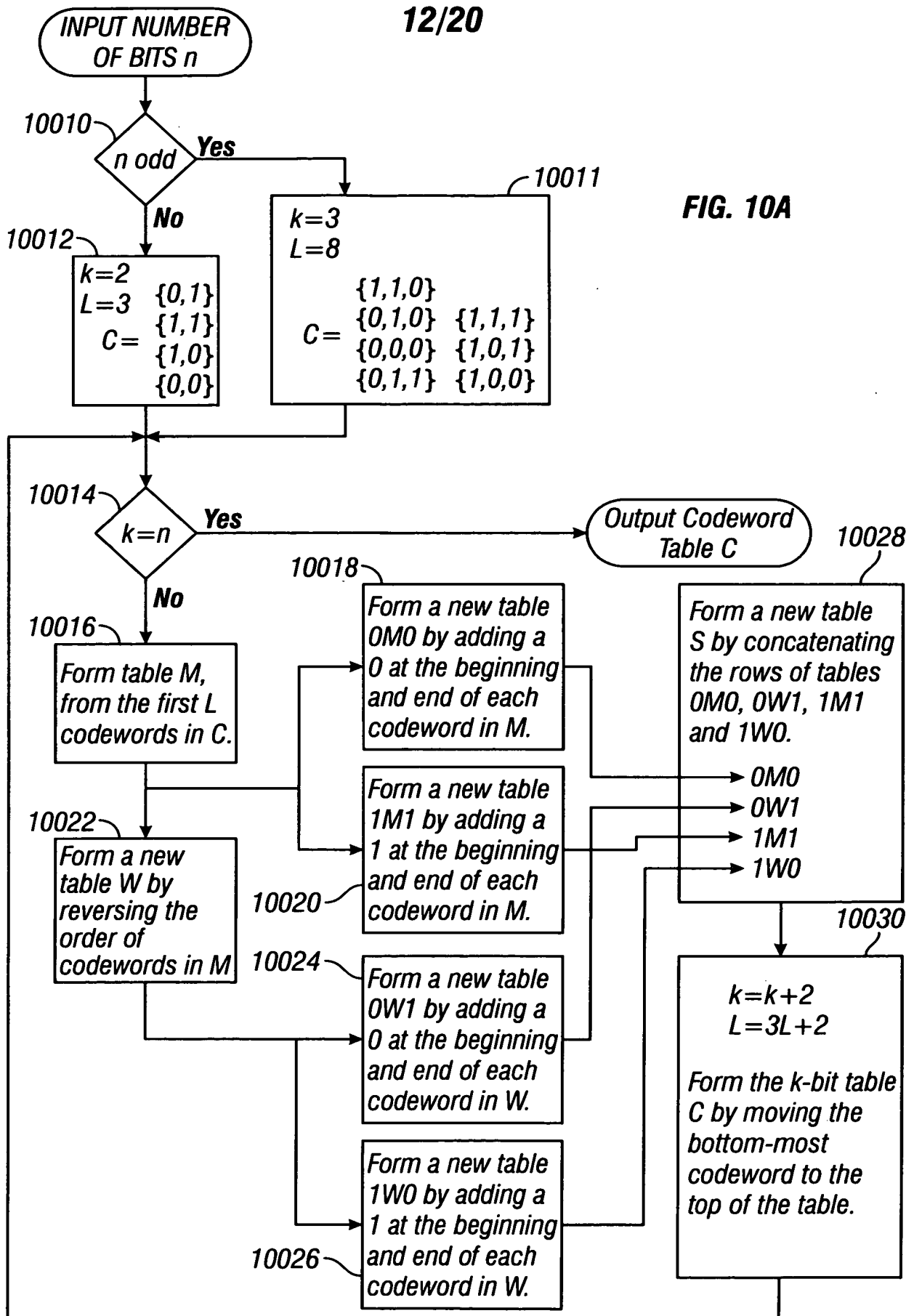
Number of Bits	Number of Codewords	Code Rate
1	2	1
2	4	1
3	8	1
4	12	0.8962
5	32	1
6	44	0.9099
7	104	0.9572
8	140	0.8912
9	320	0.9247
10	428	0.8741
11	968	0.9017
12	1292	0.8613
13	2912	0.8852
14	3884	0.8517
15	8744	0.8729
16	11660	0.8443
17	26240	0.8635
18	34988	0.8386
19	78728	0.856
20	104972	0.834
21	236192	0.85
22	314924	0.8302
23	708584	0.845
24	944780	0.8271

**FIG. 7**

**FIG. 8**



12/20



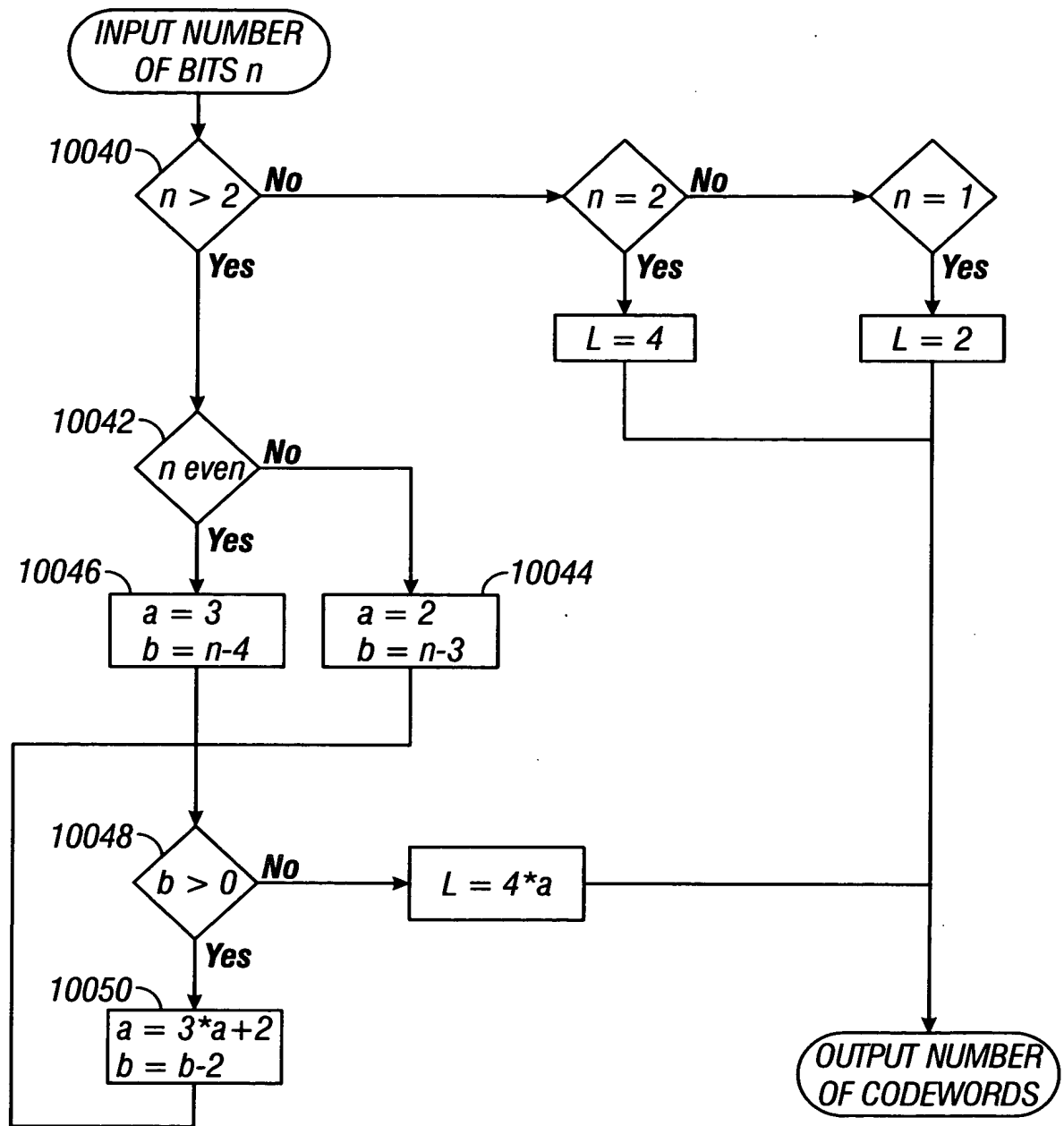


FIG. 10B

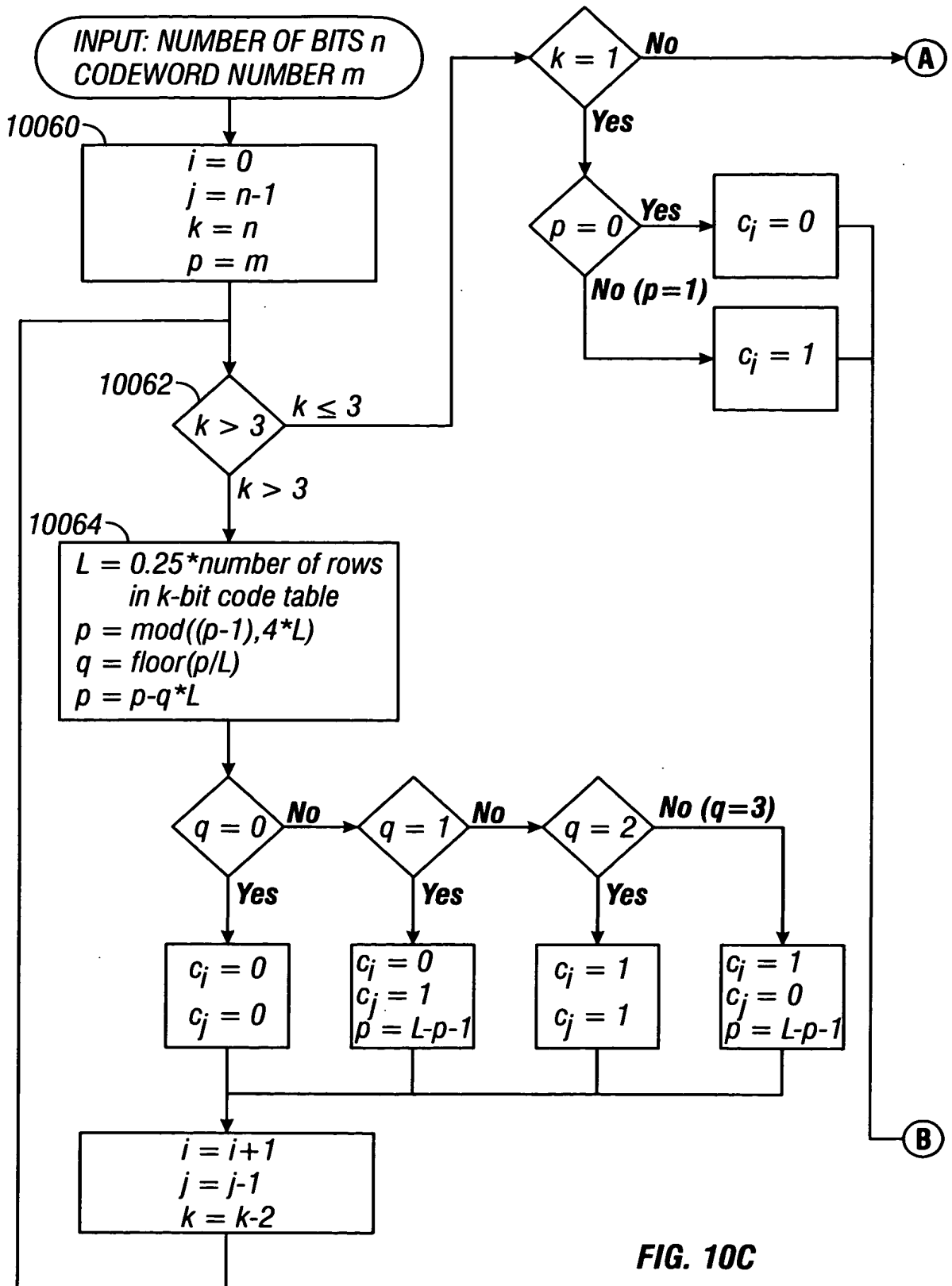


FIG. 10C

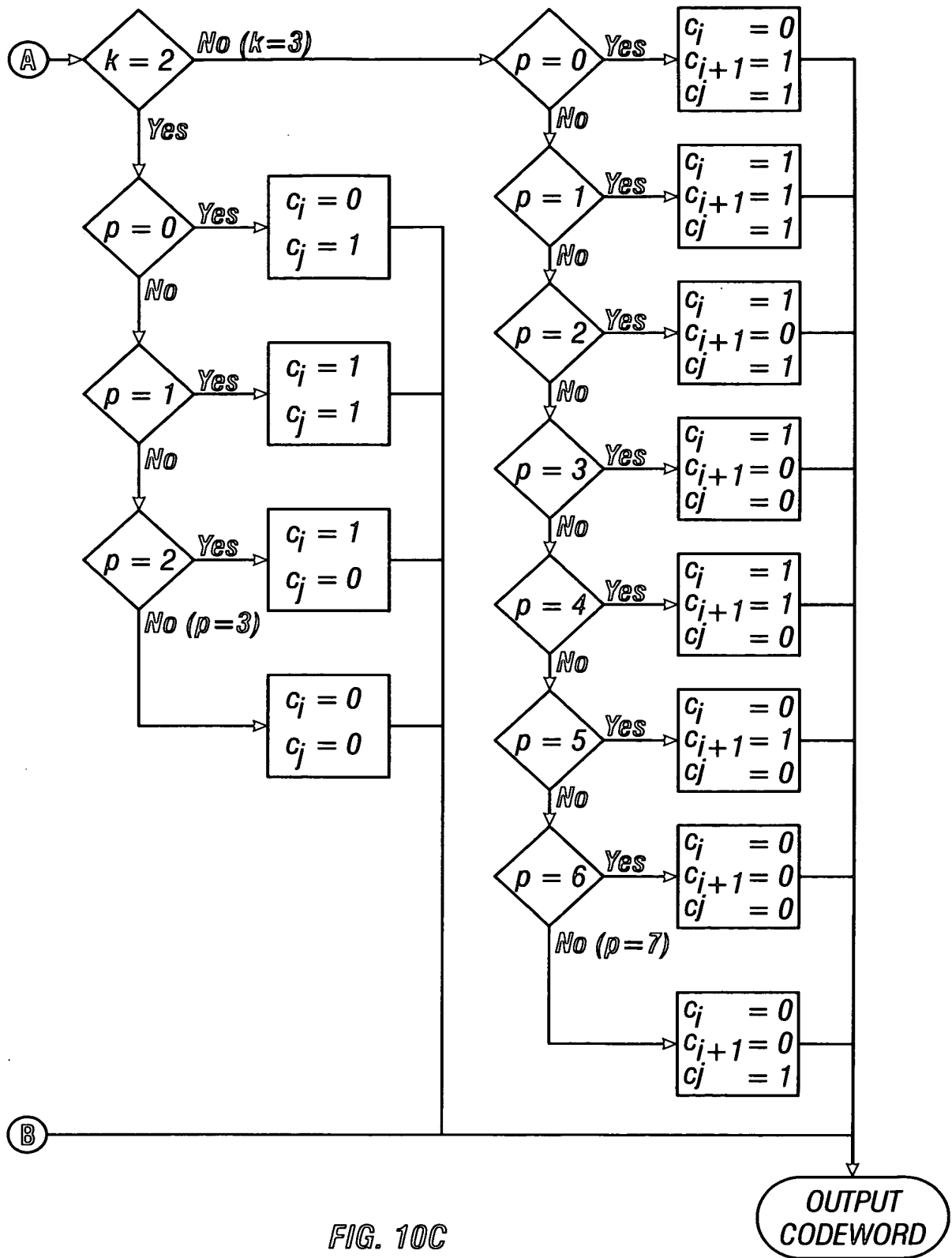
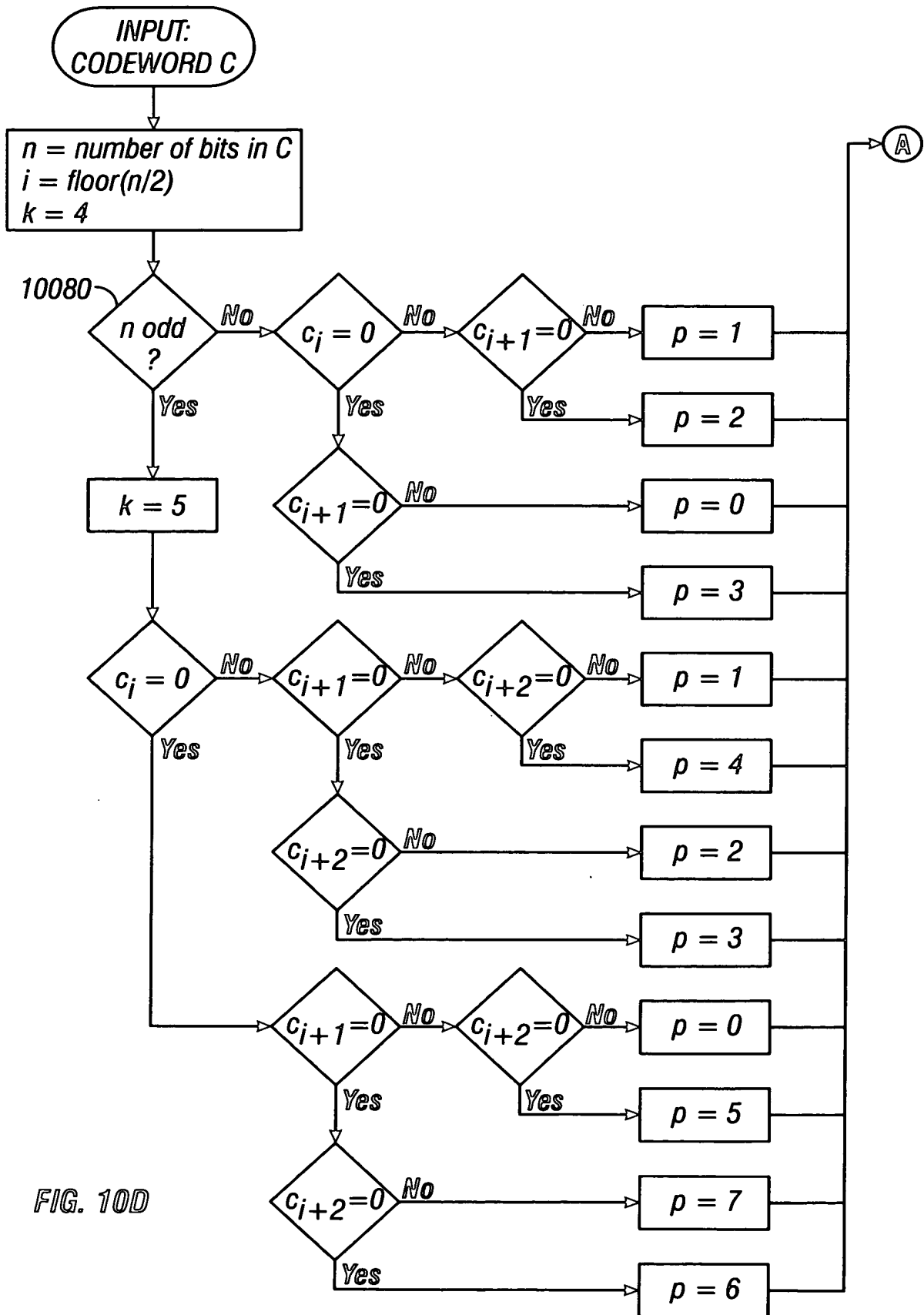
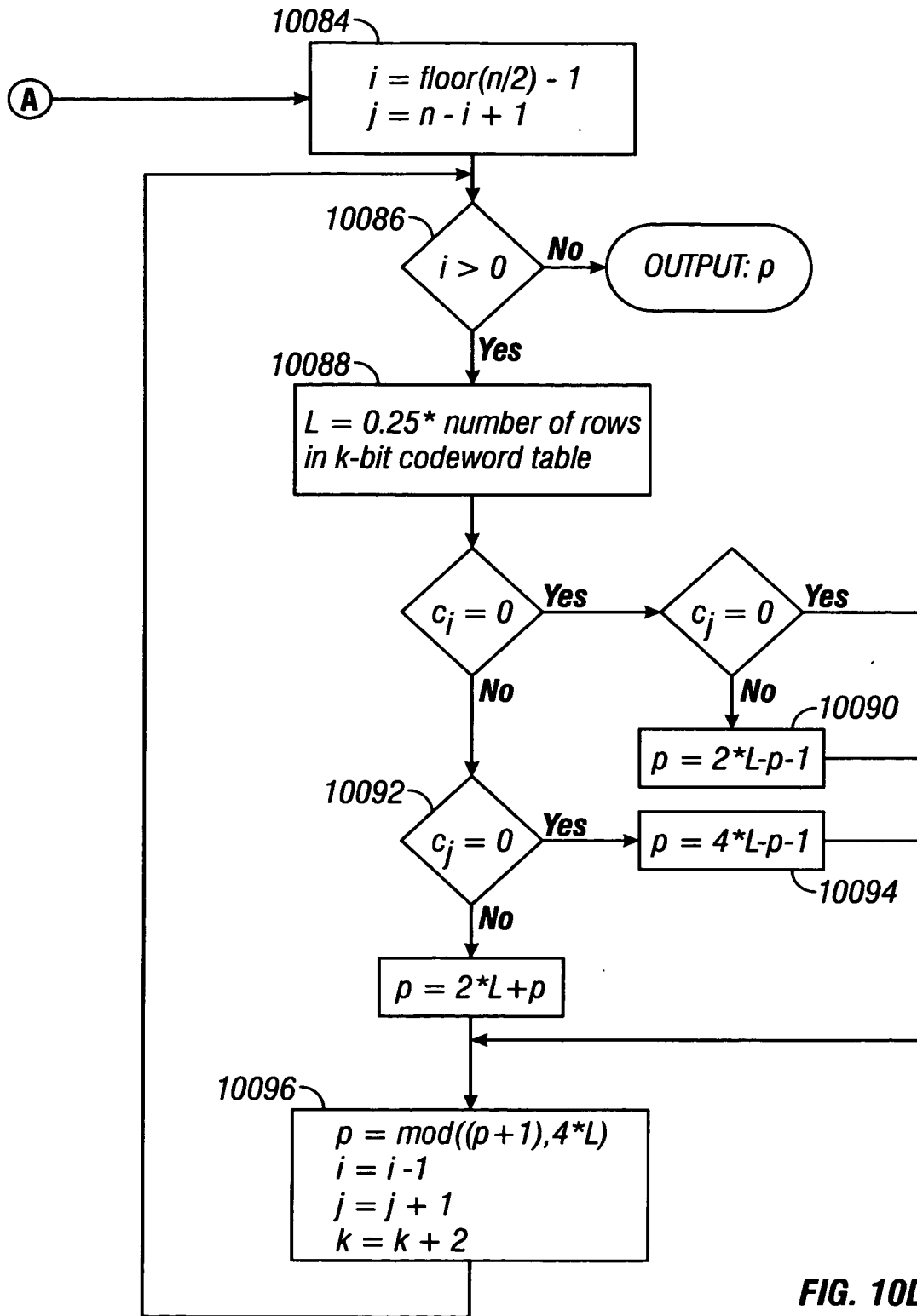


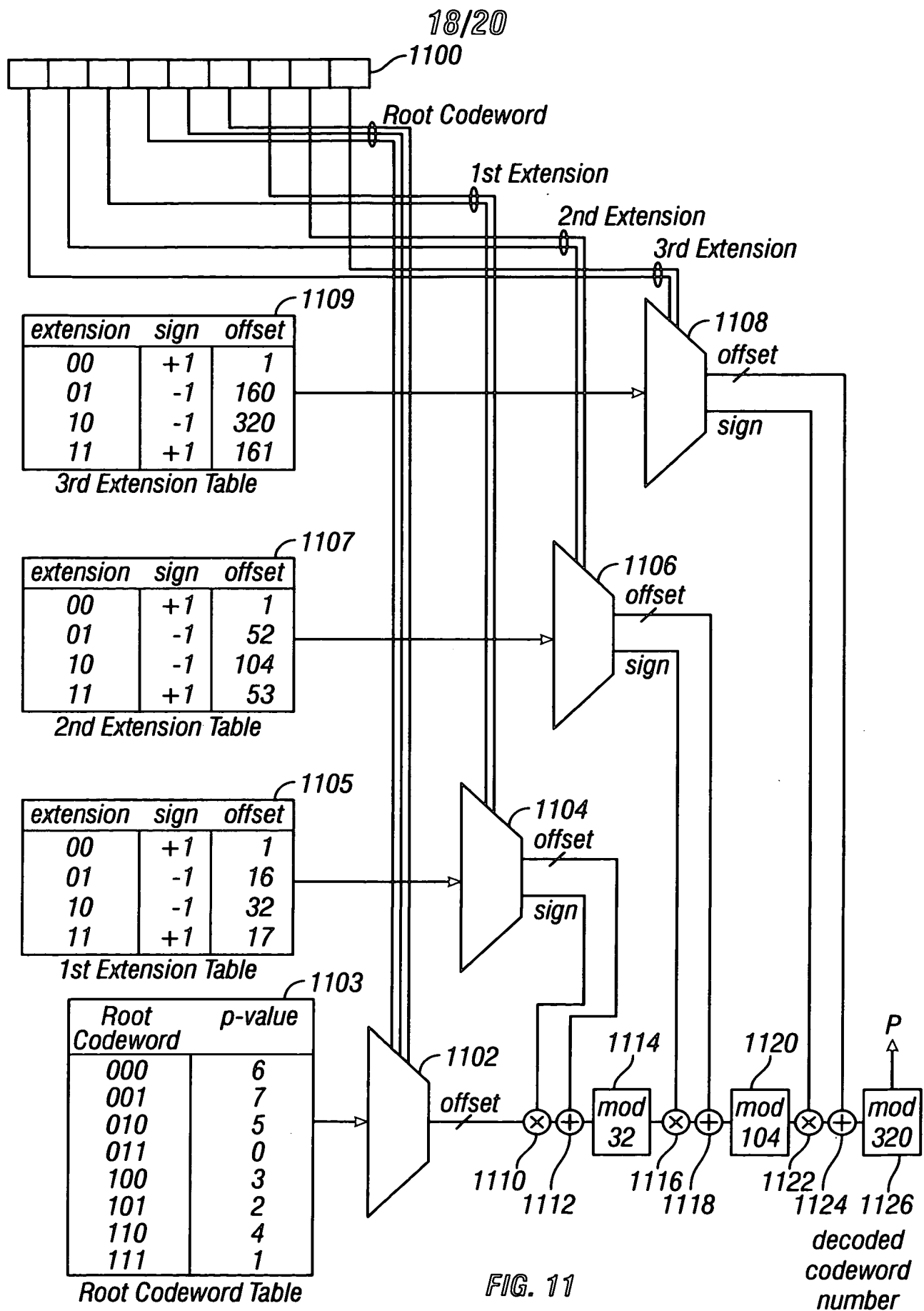
FIG. 10C  
(Continued)

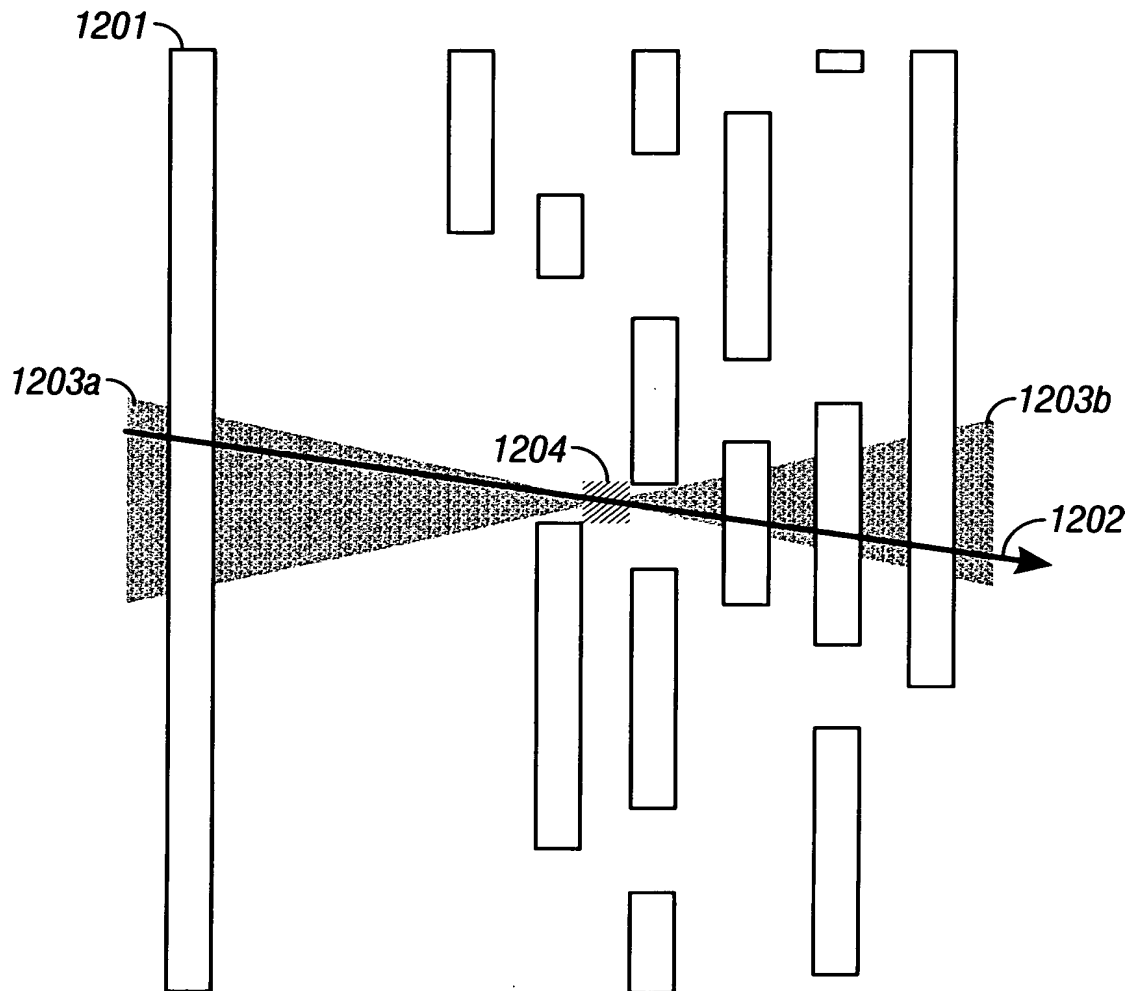






**FIG. 10D**  
(Continued)





**FIG. 12**

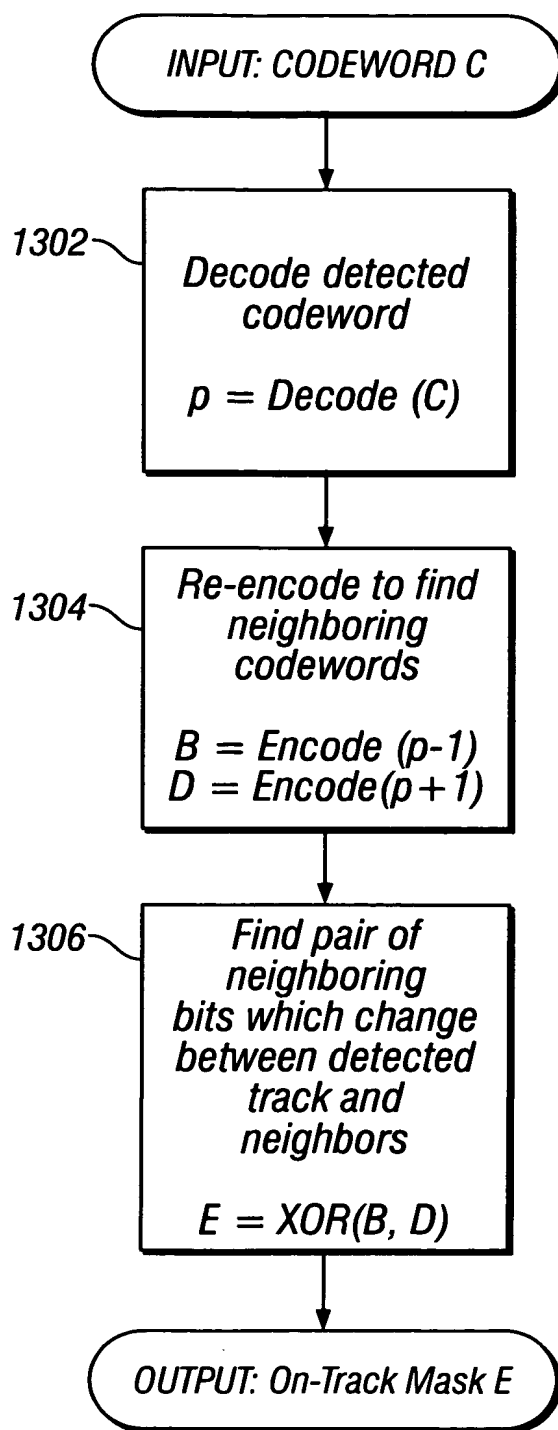


FIG. 13